

INTERNATIONAL SEARCH REPORT

PCT/GB2004/004104

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08L19/00 C08L21/00 C08L17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 425 904 A (SMITS RICHARD A J) 20 June 1995 (1995-06-20) column 3, lines 18-47; claims 1-8; examples 1,2 column 4, lines 19-28	1-22
X	US 5 298 210 A (HECKEL KLAUS ET AL) 29 March 1994 (1994-03-29) column 2, lines 21-40; claims 1-5; examples 1,2	1-22
X	EP 0 508 056 A (HUELS CHEMISCHE WERKE AG) 14 October 1992 (1992-10-14) page 3, lines 34-38; claims 1-15 page 4, lines 4-14	1-22
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

S document member of the same patent family

Date of the actual completion of the international search

23 December 2004

Date of mailing of the international search report

19/01/2005

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PCT/GB2004/004104

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 350 839 A (GOODYEAR TIRE & RUBBER) 13 December 2000 (2000-12-13) claims 1,6,22; examples 19-28 -----	1-22
X	EP 0 780 430 A (NAT RUBBER TECH INC) 25 June 1997 (1997-06-25) page 6, lines 1-35; claims 1-3; example 1 -----	1-22
X	US 4 481 335 A (STARK JR FRED J) 6 November 1984 (1984-11-06) cited in the application column 2, line 34 - column 3, line 44; claim 9; examples 1,26 column 5, lines 5-13 -----	1-22
X	WO 88/02313 A (RUBBER RES ELASTOMERICS) 7 April 1988 (1988-04-07) pages 4,5; examples 1-4 -----	1-22
X	WO 03/014462 A (PEREZ RAUL S ; CRENSHAW R BRUCE (US); ROYAL RUBBER MFG (US)) 20 February 2003 (2003-02-20) paragraphs '0016! - '0018!, '0020!, '0022!; claims 1,2,14; figures 2-4 -----	23-30
X	EP 0 135 595 A (ARNDS DIETER) 3 April 1985 (1985-04-03) page 4, lines 7-15; claims 1,2,8 page 10, lines 9-21 -----	23-30
X	US 2003/033779 A1 (DOWNEY PAUL CHARLES) 20 February 2003 (2003-02-20) paragraphs '0013!, '0015!; claims 1,2,6 -----	23-30

INTERNATIONAL SEARCH REPORT

formation on patent family members

PCT/GB2004/004104

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5425904	A	20-06-1995	NL 9002673 A	01-07-1992
			AT 135389 T	15-03-1996
			CA 2097432 A1	06-06-1992
			DE 69117987 D1	18-04-1996
			DE 69117987 T2	10-10-1996
			EP 0647252 A1	12-04-1995
			ES 2084997 T3	16-05-1996
			GR 3019355 T3	30-06-1996
			WO 9210540 A1	25-06-1992
US 5298210	A	29-03-1994	DE 3942505 C1	22-11-1990
			AT 97055 T	15-11-1993
			DE 59003463 D1	16-12-1993
			DK 433563 T3	27-12-1993
			EP 0433563 A2	26-06-1991
			ES 2045704 T3	16-01-1994
			PT 96296 A ,B	30-09-1992
EP 0508056	A	14-10-1992	DE 4111158 A1	08-10-1992
			DE 59200615 D1	17-11-1994
			EP 0508056 A1	14-10-1992
			ES 2063537 T3	01-01-1995
			JP 2834612 B2	09-12-1998
			JP 5098079 A	20-04-1993
			US 5844043 A	01-12-1998
GB 2350839	A	13-12-2000	BR 0002497 A	02-01-2001
			CA 2307973 A1	09-12-2000
			US 2002091167 A1	11-07-2002
			US 6380269 B1	30-04-2002
EP 0780430	A	25-06-1997	US 5510419 A	23-04-1996
			EP 0780430 A1	25-06-1997
			CA 2158422 A1	17-03-1996
US 4481335	A	06-11-1984	DE 3275730 D1	23-04-1987
			EP 0085710 A1	17-08-1983
			WO 8300489 A1	17-02-1983
WO 8802313	A	07-04-1988	AT 99605 T	15-01-1994
			AU 8078887 A	21-04-1988
			DE 3788720 D1	17-02-1994
			DE 3788720 T2	28-04-1994
			DK 303388 A	03-06-1988
			EP 0285647 A1	12-10-1988
			FI 882629 A	03-06-1988
			JP 2543386 B2	16-10-1996
			JP 1501397 T	18-05-1989
			NO 882451 A	03-08-1988
			WO 8802313 A1	07-04-1988
WO 03014462	A	20-02-2003	CA 2457348 A1	20-02-2003
			EP 1415036 A1	06-05-2004
			WO 03014462 A1	20-02-2003
EP 0135595	A	03-04-1985	EP 0135595 A1	03-04-1985
			AT 37320 T	15-10-1988
			DE 3378029 D1	27-10-1988

INTERNATIONAL SEARCH REPORT

on patent family members

PCT/GB2004/004104

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003033779 A1	20-02-2003	CA 2398262 A1	16-02-2003